

## **ABSTRACT**

A system for processing cards including a magnetic medium extending along one side of the cards and printing on both sides of the cards is disclosed. The system is a plurality of card processing stations (14, 30, 24) spaced along a card transport (18') extending between a card input 12 and a card output 16. A first drive motor (54) drives a transmission (60) coupling the motor to a card drive associated with each station to transport the cards at each station during processing thereof. A second drive motor 56 rotates a combined magnetic encoding and card flipping station. A controller 60 controls operation of the stations and the first and second motors so that the combined magnetic encoding and flipping station flips the cards to a reverse orientation to print a second side.